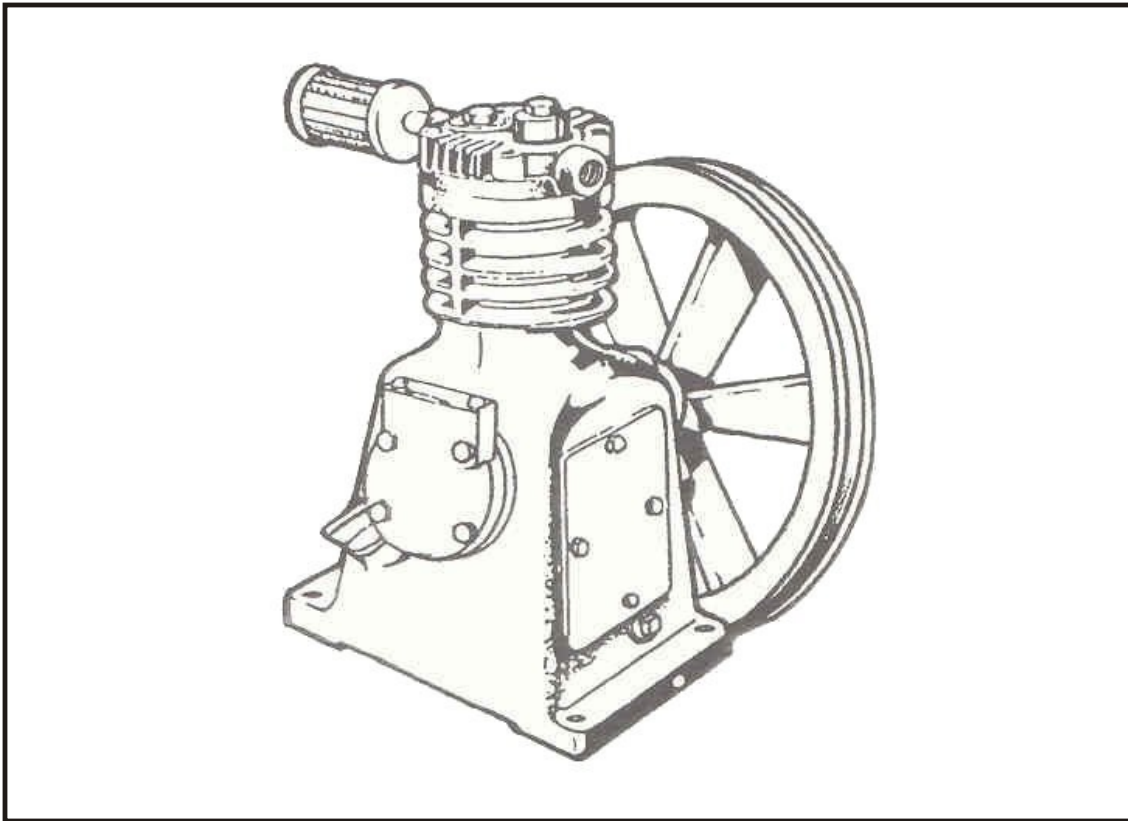


120 Series Compressor Pump

Note: This Pump is obsolete. Please contact your local DV Systems Distributor for Parts and/or a newer replacement Pump.



Warning: Check for proper oil level before using this equipment.

Use 'PR20' 20 weight non-detergent oil for ambient temperatures between 40° and 90°F.
Use 'PR30' 30 weight non-detergent oil for ambient temperatures above 90°F.

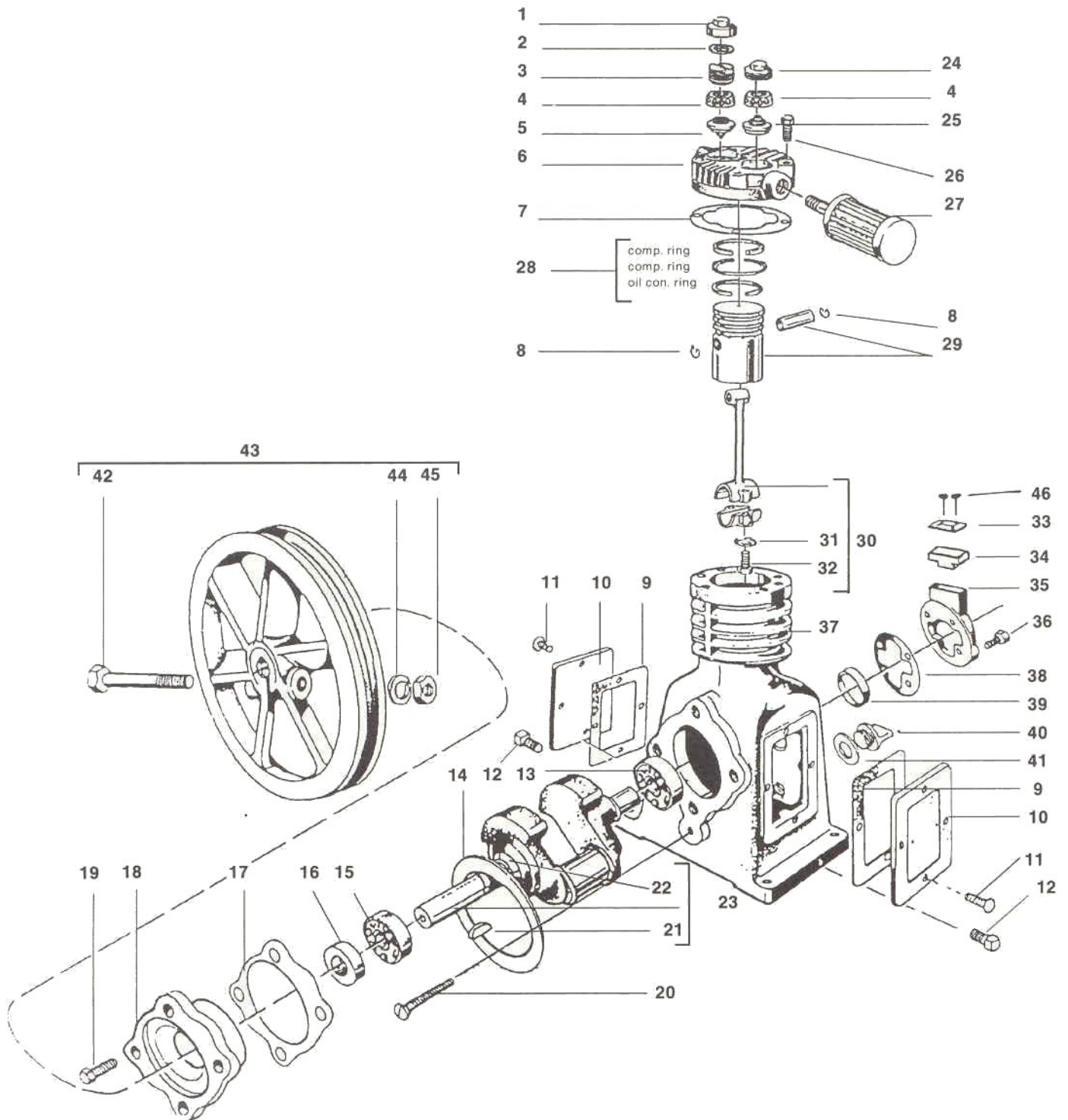
Specifications:

Crankcase Capacity (Approx):	4 Fluid Oz (0.12 litres)
Minimum RPM:	300
Maximum RPM:	1200
Max. Continuous Working Press.:	150 psi

If you require assistance, contact your local DV Systems Distributor or Authorized Service Centre. If you wish to contact DV Systems directly or need to locate your closest Distributor, please reach us at:

Phone: (705) 728-5657
Fax: (800) 561-1663

Website: www.dvsystems.ca
Email: sales@dvsystems.ca



The Item Numbers in the Chart(s) below refer to the Pump Breakdown on Page 2.

Item:	Part Number	Qty	Description
1	1202-88	1	Exhaust Valve Cap (NLA)
2	120-28	1	Gasket
3	1202-89	1	Exhaust Valve Plug (NLA)
4	1201-92	2	Valve Seat Spacer (NLA)
5	120-4405	1	Exhaust Valve Assembly
6	120-124	1	Cylinder Head (NLA)
7	120-126	1	Head Gasket (NLA)
8	120-20	2	Snap Ring (NLA)
9	38513-122	2	Gasket (NLA)
10	120-11	2	Inspection Plate (NLA)
11	SS-912	8	10-24 x 3/8" RHMS (NLA)
12	SS-1215	1	1/8" Pipe Plug (NLA)
13	120-23	1	Ball Bearing (NLA)
14	1205-5	1	Oil Throw Ring (NLA)
15	220-23	1	Ball Bearing (NLA)
16	23174-306	1	Oil Seal
17	38543-106	1	Large End Plate Gasket (NLA)
18	37314-502	1	Large End Plate (NLA)
19	SS-9	4	1/4-20 X 5/8" HHCS (NLA)
20	SS-916	1	1-24 x 1-1/4" RHCS (NLA)
21	SS-1569	1	5/8 x 1/8" Key #405 (NLA)
22	120-43	1	Oil Cup (NLA)
23	120-450	1	Crankshaft/Oil Cup Assy (NLA)
24	1202-79	1	Intake Valve Plug (NLA)
25	120-417-2	1	Intake Valve Assembly
26	SS-16	4	5/16-18 x 1-1/2 HHCS (NLA)

Item:	Part Number	Qty	Description
27	350-9401	1	Air Intake Filter
28	KK-9833	1	Rink Kit (Std)
29	1205-412-1	1	Piston and Pin Assy (Std) (NLA)
30	120-444-1	1	Rod and Cap Assy (NLA)
31	SS-3673	2	¼ Shakeproof Lock Washer
32	SS-6871	2	1/4-20 x 1" HHCS (NLA)
33	36883-116	1	Crankcase Breather Cover (NLA)
34	38554-110	1	Crankcase Breather Pad (NLA)
35	37721-110	1	Small End Plate (NLA)
36	SS-6871	4	1/4-20 x 1" HHCS (NLA)
37	37135-109	1	Cylinder/Crankcase (NLA)
38	120-128	1	Small End Plate Gasket (NLA)
39	32233-121	1	Spacer (NLA)
40	NCB-303-1	1	Oil Filler Plug
41	SS-2670	1	'O' Ring
42	SS-32	1	3/8-16 x 3" HHCS
43	120-458	1	Flywheel 10" Dia, 'A' Sect (NLA)
44	SS-1502	1	3/8 Heavy Lock Washer
45	SS-657	1	3/8-16 Hex Nut
46	SS-01588	2	Screw (NLA)

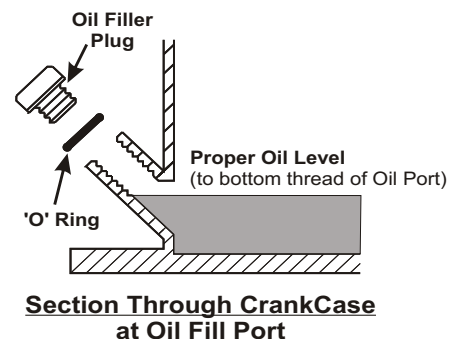
Kits Available for the '120' Pump

Part Number	Qty	Description	Includes
45875-001	1	Complete Gasket Kit (NLA)	# 2, 7, 9, 17, 34, 38, 41
VK-120	1	Valve Kit	# 2, 5, 25
OK-120	1	Overhaul Kit (NLA)	# 16, 28, and (1) '45875-001', (1) 'VK-120'

Lubrication:

Fill the Crankcase to the lowest thread at the Oil Fill Port Opening. **Do not under or overfill.** See drawing.

Tightly screw in Oil Fill Plug using a crescent wrench. Use only **DV Systems Premium Compressor Oil** for the Air Compressor, as it has been specially formulated for your Unit, and contains only two additives, a rust inhibitor and an anti foaming agent.



Compressor Torque Values

Item:	Description	In Lbs	Ft Lbs	Nm
1	Valve Cap	125	10.5	14.2
19	Large End Plate	72	6	8.1
25	Valve Plug	180	15	20.3
26	Intake Valve	36	3	4.06
27	Head Bolts	144	12	16.2
33	Connecting Rod - Crank End	120	10	13.5
37	Small End Plate	72	6	8.1
46	Flywheel Bolt	360	30	40.6

Honing Specifications

	Std. Cylinder Hone Diameter	Piston Skirt/ Cyl Dia Clear.
Low Pressure Cylinder	2.0000	.0027
	2.0005	.0042

1. Diametral Clearance of oversized Cylinders and Pistons is the same as standard Cylinders and Pistons.
2. Cylinders must be within diametral tolerance at all points, out of round or taper must not exceed .0005.
3. Hone 20 min to 35 max micro inches of surface roughness.
4. De-burr the sharp corners at the top of the Cylinder opening with a 1/64 to 1/32 x 30° chamfer.

'120' Pump Specifications

Pump Model	HP	150 psi		100 psi		# of Cyl.	Bore	Stroke	Flywheel		Pump Dimensions (Refer to drawing)						Weight (Pounds) (Approx)
		RPM	Del'y (CFM)	RPM	Del'y (CFM)				Dia.	Groove	A	B	C	D	E	F	
120	1/4	535	0.75	535	0.87	1	2"	2"	10"	1A	7"	10.375"	N/A	6.875"	5"	2.5"	16

Note: Though the dimensions are correct, the Pump may not be exactly as shown.

